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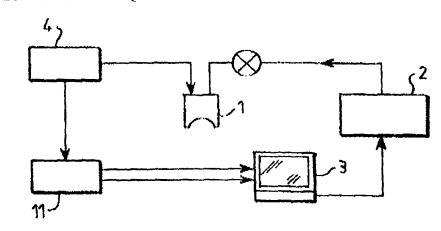
(54) Title: METHOD FOR EXPLORING AND DISPLAYING TISSUES OF HUMAN OR ANIMAL ORIGIN FROM A HIGH FREQUENCY ULTRASOUND PROBE

(54) Titre: PROCEDE D'EXPLORATION ET DE VISUALISATION DE TISSUS D'ORIGINE HUMAINE OU ANIMALE A PARTIR D'UNE SONDE ULTRASONORE A HAUTE FREQUENCE

(57) Abstract

The invention concerns a method for exploring and displaying tissues of human or animal origin which consists in: positioning an ultrasound probe (1) carried by a head steered by means of a three-dimensional positioning system particular (2),in computer-controlled, perpendicular to the tissue

structure; controlling the probe such that it generates convergent high frequency



ultrasound wave beams (of the order of *= 50 MHz), said waves being focused at a predetermined zone of the tissues, over a penetration distance ranging between 20 and 30 mm; scanning the tissue structure by the computer-controlled (3) positioning system (2), by carrying out parallel acquisition, by the computer (3) of signals reflected by the tissue structure; carrying out various signal processing operations on the data derived from scanning, to improve the reproduction of data and facilitate interpretation thereof by the practitioner.

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